

ABSTRACT

[0044] A router apparatus in accordance with one or more embodiments of the invention is provided. In one embodiment, routing information of a first unit is mirrored to a second unit in real time, wherein at least one of the first unit and
5 the second unit comprises at least one switching unit for transferring the routing information from the first unit to the second unit, eliminating use of a PCI-to-PCI board to complete transferring the routing information. When the routing information is stored in a first memory of a first switching unit, and the first switching unit transfers the information to the second unit. A second switching
10 unit receives the routing information from the first switching unit and stores the routing information in a second memory of the second unit.